

PB

PCT09

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/787,252

DATE: 07/27/2001
TIME: 20:03:43

Input Set : A:\ES.txt
Output Set: N:\CRF3\07272001\I787252.raw

ENTERED

5 <110> APPLICANT: Lex M. Cowser
7 <120> TITLE OF INVENTION: ANTISENSE MODULATION OF RhoG EXPRESSION
9 <130> FILE REFERENCE: RTSP-0106
C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/787,252
C--> 11 <141> CURRENT FILING DATE: 2001-03-15
11 <150> PRIOR APPLICATION NUMBER: 09/161,015
12 <151> PRIOR FILING DATE: 1998-09-25
14 <160> NUMBER OF SEQ ID NOS: 47
16 <210> SEQ ID NO: 1
17 <211> LENGTH: 1284
18 <212> TYPE: DNA
19 <213> ORGANISM: Homo sapiens
21 <220> FEATURE:
22 <221> NAME/KEY: CDS
23 <222> LOCATION: (130)..(705)
25 <400> SEQUENCE: 1
26 gcttctcgag cccggagccg ctggccggccgc ccccagctcc cccgcctcggt gaggggcacc 60
28 aggtcaactgc agccagaggg gtccagaaga gagaggaggc actgcctcac tacagcaact 120
30 gcacccacg atg cag agc atc aag tgc gtg gtg ggt gat ggg gct 168
32 Met Gln Ser Ile Lys Cys Val Val Val Gly Asp Gly Ala
33 1 5 10
35 gtg ggc aag acg tgc ctg ctc atc tgc tac aca act aac gct ttc ccc 216
36 Val Gly Lys Thr Cys Leu Leu Ile Cys Tyr Thr Thr Asn Ala Phe Pro
37 15 20 25
39 aaa gag tac atc ccc acc gtg ttc gac aat tac agc gcg cag agc gca 264
40 Lys Glu Tyr Ile Pro Thr Val Phe Asp Asn Tyr Ser Ala Gln Ser Ala
41 30 35 40 45
43 gtt gac ggg cgc aca gtg aac ctg aac ctg tgg gac act gcg ggc cag 312
44 Val Asp Gly Arg Thr Val Asn Leu Asn Leu Trp Asp Thr Ala Gly Gln
45 50 55 60
47 gag gag tat gac cgc ctc cgt aca ctc tcc tac cct cag acc aac gtt 360
48 Glu Glu Tyr Asp Arg Leu Arg Thr Leu Ser Tyr Pro Gln Thr Asn Val
49 65 70 75
51 ttc gtc atc tgt ttc tcc att gcc agt ccg ccg tcc tat gag aac gtc 408
52 Phe Val Ile Cys Phe Ser Ile Ala Ser Pro Pro Ser Tyr Glu Asn Val
53 80 85 90
55 cgg cac aag tgg cat cca gag gtg tgc cac cac tgc cct gat gtg ccc 456
56 Arg His Lys Trp His Pro Glu Val Cys His His Cys Pro Asp Val Pro
57 95 100 105
59 atc ctg ctg gtg ggc acc aag aag gac ctg aga gcc cag cct gac acc 504
60 Ile Leu Leu Val Gly Thr Lys Lys Asp Leu Arg Ala Gln Pro Asp Thr
61 110 115 120 125
63 cta cgg cgc ctc aag gag cag agc cag gcg ccc atc aca ccg cag cag 552
64 Leu Arg Arg Leu Lys Glu Gln Ser Gln Ala Pro Ile Thr Pro Gln Gln
65 130 135 140
67 ggc cag gca ctc gcg aaa cag atc cac gct gtg cgc tac ctc gaa tgc 600
68 Gly Gln Ala Leu Ala Lys Gln Ile His Ala Val Arg Tyr Leu Glu Cys

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69	145	150	155	
71	tca gcc ctg caa cag gat ggt gtc aag gaa gtg ttc gcc gag gct gtc			648
72	Ser Ala Leu Gln Gln Asp Gly Val Lys Glu Val Phe Ala Glu Ala Val			
73	160	165	170	
75	cgg gct gtg ctc aac ccc acg ccg atc aag cgt ggg cgg tcc tgc atc			696
76	Arg Ala Val Leu Asn Pro Thr Pro Ile Lys Arg Gly Arg Ser Cys Ile			
77	175	180	185	
79	ctc ttg tga ccctggcact tggcttggag gctgcccctg ccctcccccc			745
80	Leu Leu			
81	190			
83	accagttgtg ccttggtgcc ttgtccgcct cagctgtgcc ttaaggacta attctggcac			805
85	ccctttccag gggttcccttg aatgcctttt tctctgagtg cctttttctc cttaaaggagg			865
87	cctgcagaga aaggggcttt gggctctgcc cctctggctt gggAACACTG ggtattctca			925
89	tgagctcatc caagccaagg ttggaccctt ccccaagagg ccaaccagg gccccctccc			985
91	attttccgct actgaccagt tcatacgact ttccacacag ttgttgcgtc ctattgtgg			1045
93	gccgcctcag gtagggggct ctcagccatc tctaaccctct gcccctcgctg ctcttggaa			1105
95	tgcgccttccca agatgctctc tcccttctcc aatgagggag ccacagaatc ctgagaaggt			1165
97	aatgtaccc taacctgttc ctctgtgcct aggccttacg catttgcgtga ctgactcagc			1225
99	ccccatgtttt ctggggaccc ttccatcccc catcagcatc aataaaacct cctgtctcc			1284
102	<210> SEQ ID NO: 2			
103	<211> LENGTH: 19			
104	<212> TYPE: DNA			
105	<213> ORGANISM: Artificial Sequence			
107	<220> FEATURE:			
108	<223> OTHER INFORMATION: PCR Primer			
110	<400> SEQUENCE: 2			
111	caggcaactcg cgaaacaga			19
114	<210> SEQ ID NO: 3			
115	<211> LENGTH: 23			
116	<212> TYPE: DNA			
117	<213> ORGANISM: Artificial Sequence			
119	<220> FEATURE:			
120	<223> OTHER INFORMATION: PCR Primer			
122	<400> SEQUENCE: 3			
123	gaacacttcc ttgacaccat cct			23
125	<210> SEQ ID NO: 4			
126	<211> LENGTH: 23			
127	<212> TYPE: DNA			
128	<213> ORGANISM: Artificial Sequence			
130	<220> FEATURE:			
131	<223> OTHER INFORMATION: PCR Probe			
133	<400> SEQUENCE: 4			
134	ccacgctgtg cgctacacctcg aat			23
137	<210> SEQ ID NO: 5			
138	<211> LENGTH: 19			
139	<212> TYPE: DNA			
140	<213> ORGANISM: Artificial Sequence			
142	<220> FEATURE:			
143	<223> OTHER INFORMATION: PCR Primer			

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145 <400> SEQUENCE: 5
146     gaaggtgaag gtcggagtc
149 <210> SEQ ID NO: 6
150 <211> LENGTH: 20
151 <212> TYPE: DNA
152 <213> ORGANISM: Artificial Sequence
154 <220> FEATURE:
155 <223> OTHER INFORMATION: PCR Primer
157 <400> SEQUENCE: 6
158     gaagatggtg atgggatttc
161 <210> SEQ ID NO: 7
162 <211> LENGTH: 20
163 <212> TYPE: DNA
164 <213> ORGANISM: Artificial Sequence
166 <220> FEATURE:
167 <223> OTHER INFORMATION: PCR Probe
169 <400> SEQUENCE: 7
170     caagcttccc gttctcagcc
173 <210> SEQ ID NO: 8
174 <211> LENGTH: 18
175 <212> TYPE: DNA
176 <213> ORGANISM: Artificial Sequence
178 <220> FEATURE:
179 <223> OTHER INFORMATION: Antisense Oligonucleotide
181 <400> SEQUENCE: 8
182     gacctggtgc ccctcccg
185 <210> SEQ ID NO: 9
186 <211> LENGTH: 18
187 <212> TYPE: DNA
188 <213> ORGANISM: Artificial Sequence
190 <220> FEATURE:
191 <223> OTHER INFORMATION: Antisense Oligonucleotide
193 <400> SEQUENCE: 9
194     tcttctggac ccctctgg
197 <210> SEQ ID NO: 10
198 <211> LENGTH: 18
199 <212> TYPE: DNA
200 <213> ORGANISM: Artificial Sequence
202 <220> FEATURE:
203 <223> OTHER INFORMATION: Antisense Oligonucleotide
205 <400> SEQUENCE: 10
206     ggcagtgcct cctctctc
209 <210> SEQ ID NO: 11
210 <211> LENGTH: 18
211 <212> TYPE: DNA
212 <213> ORGANISM: Artificial Sequence
214 <220> FEATURE:
215 <223> OTHER INFORMATION: Antisense Oligonucleotide
217 <400> SEQUENCE: 11

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218  gtgcagttgc tgtagtga          18
221 <210> SEQ ID NO: 12
222 <211> LENGTH: 18
223 <212> TYPE: DNA
224 <213> ORGANISM: Artificial Sequence
226 <220> FEATURE:
227 <223> OTHER INFORMATION: Antisense Oligonucleotide
229 <400> SEQUENCE: 12
230  gcacacgtggg tgcagttg          18
233 <210> SEQ ID NO: 13
234 <211> LENGTH: 18
235 <212> TYPE: DNA
236 <213> ORGANISM: Artificial Sequence
238 <220> FEATURE:
239 <223> OTHER INFORMATION: Antisense Oligonucleotide
241 <400> SEQUENCE: 13
242  ccaccacgca cttgatgc          18
245 <210> SEQ ID NO: 14
246 <211> LENGTH: 18
247 <212> TYPE: DNA
248 <213> ORGANISM: Artificial Sequence
250 <220> FEATURE:
251 <223> OTHER INFORMATION: Antisense Oligonucleotide
253 <400> SEQUENCE: 14
254  ttgtgttagca gatgagca          18
256 <210> SEQ ID NO: 15
257 <211> LENGTH: 18
258 <212> TYPE: DNA
259 <213> ORGANISM: Artificial Sequence
261 <220> FEATURE:
262 <223> OTHER INFORMATION: Antisense Oligonucleotide
264 <400> SEQUENCE: 15
265  aaagcgtag ttgtgttag          18
268 <210> SEQ ID NO: 16
269 <211> LENGTH: 18
270 <212> TYPE: DNA
271 <213> ORGANISM: Artificial Sequence
273 <220> FEATURE:
274 <223> OTHER INFORMATION: Antisense Oligonucleotide
276 <400> SEQUENCE: 16
277  gcgcgctgtatgtcga          18
280 <210> SEQ ID NO: 17
281 <211> LENGTH: 18
282 <212> TYPE: DNA
283 <213> ORGANISM: Artificial Sequence
285 <220> FEATURE:
286 <223> OTHER INFORMATION: Antisense Oligonucleotide
288 <400> SEQUENCE: 17
289  ggttcactgt gcgcccggt          18

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VERIFICATION SUMMARY
PATENT APPLICATION: US/09/787,252

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L:11 M:270 C: Current Application Number differs, Replaced Current Application No
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date